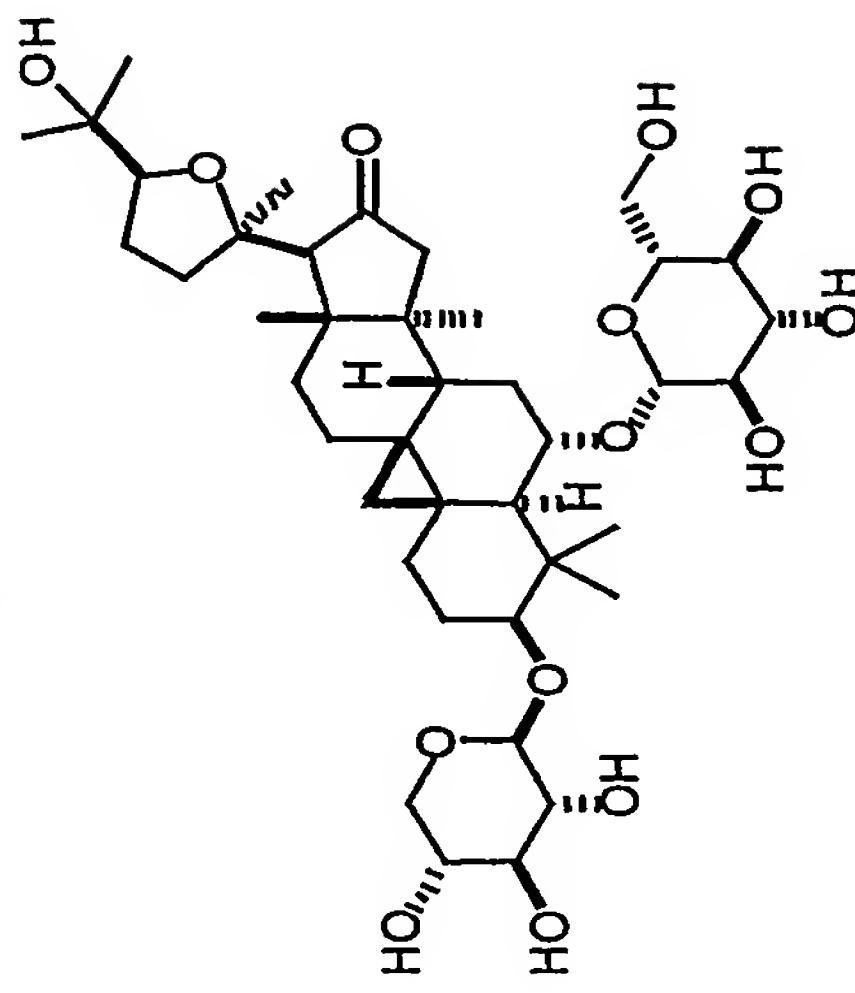


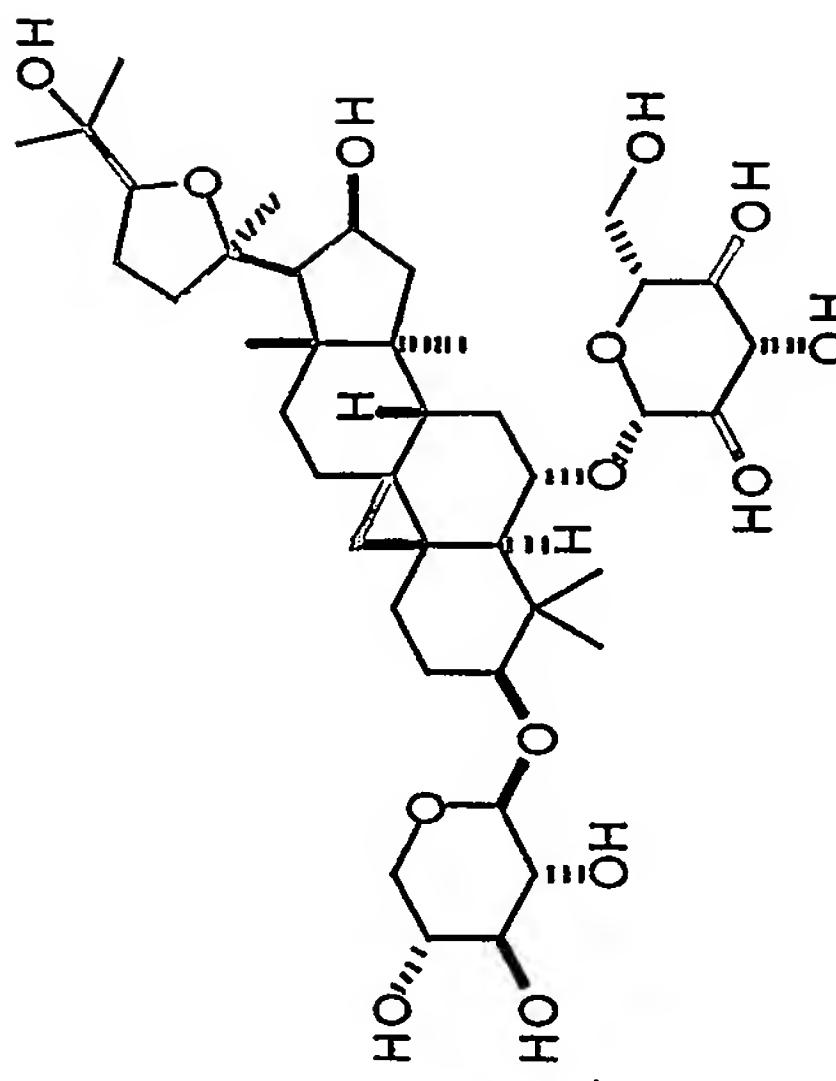
**2** (Cycloastragenol)

Fig. 1B



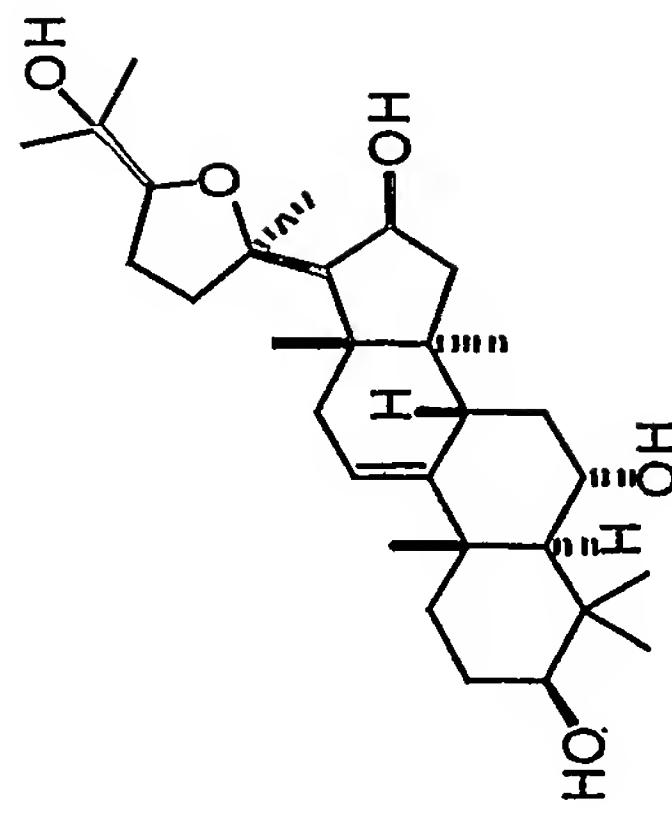
**4** (Astragaloside IV 16-one)

Fig. 1D



**1** (Astragaloside IV)

Fig. 1A



**3** (Astragenol)

Fig. 1C

Fig. 1

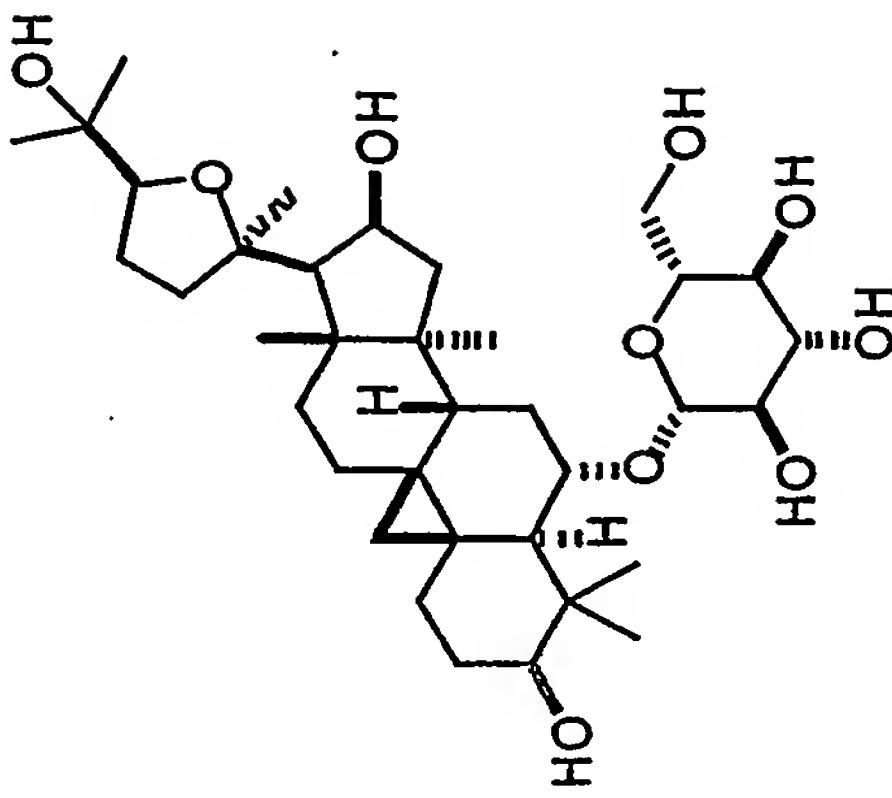


Fig. 1F

6

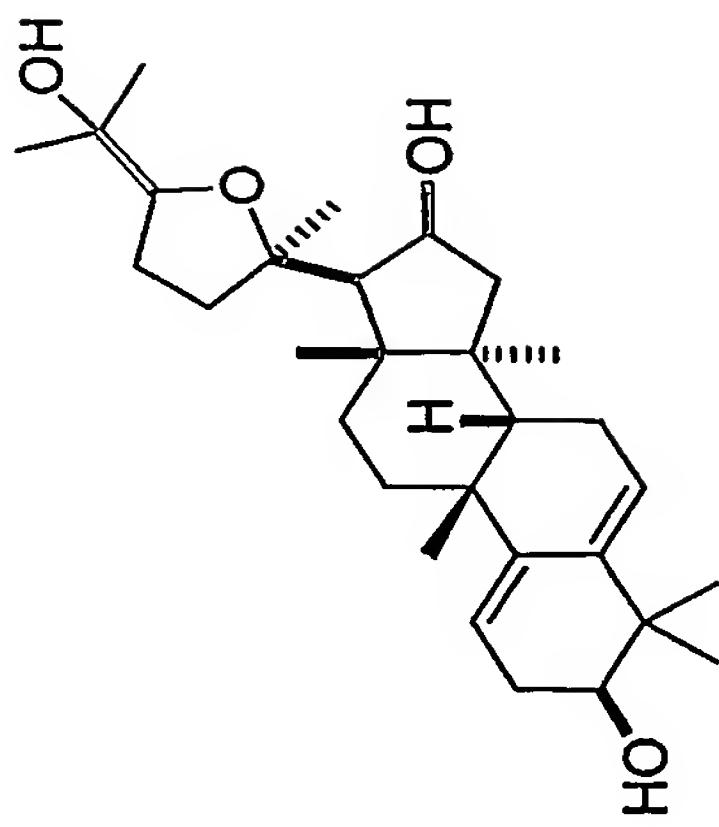


Fig. 1E

5

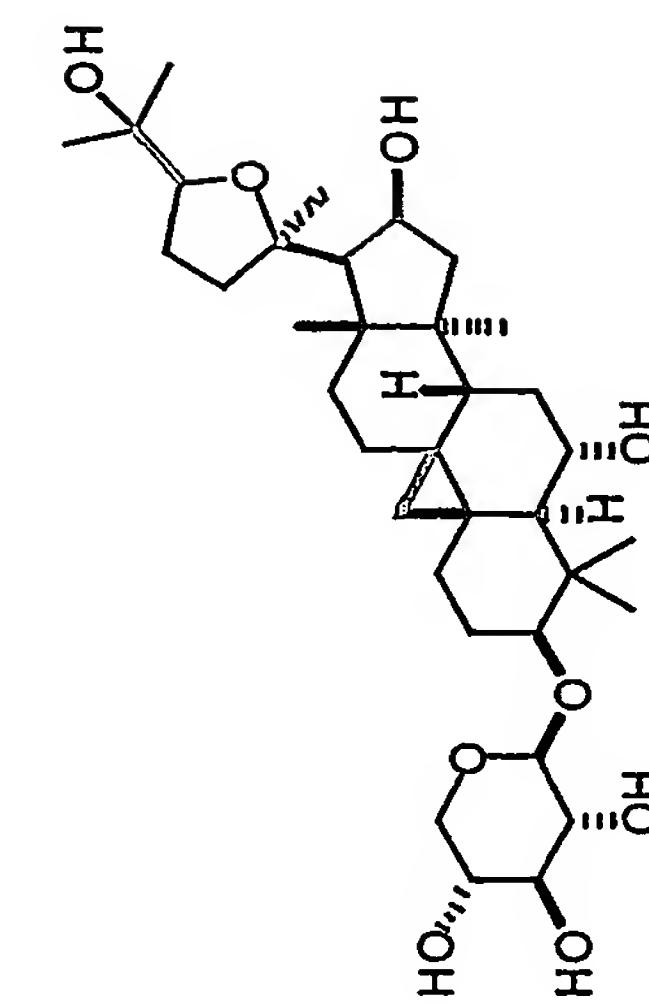
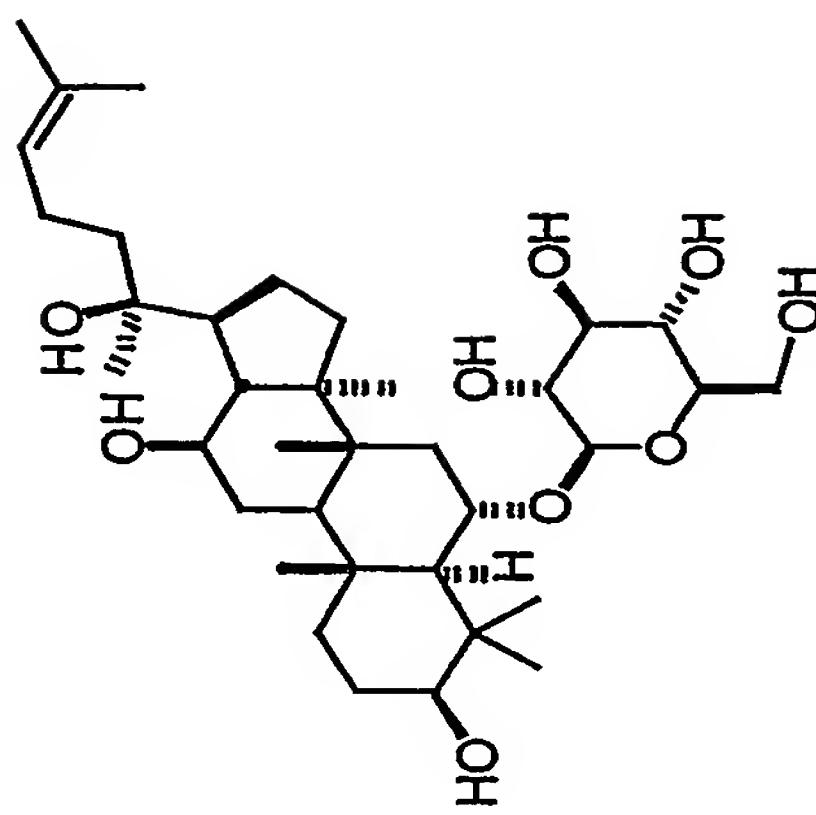


Fig. 1G

7



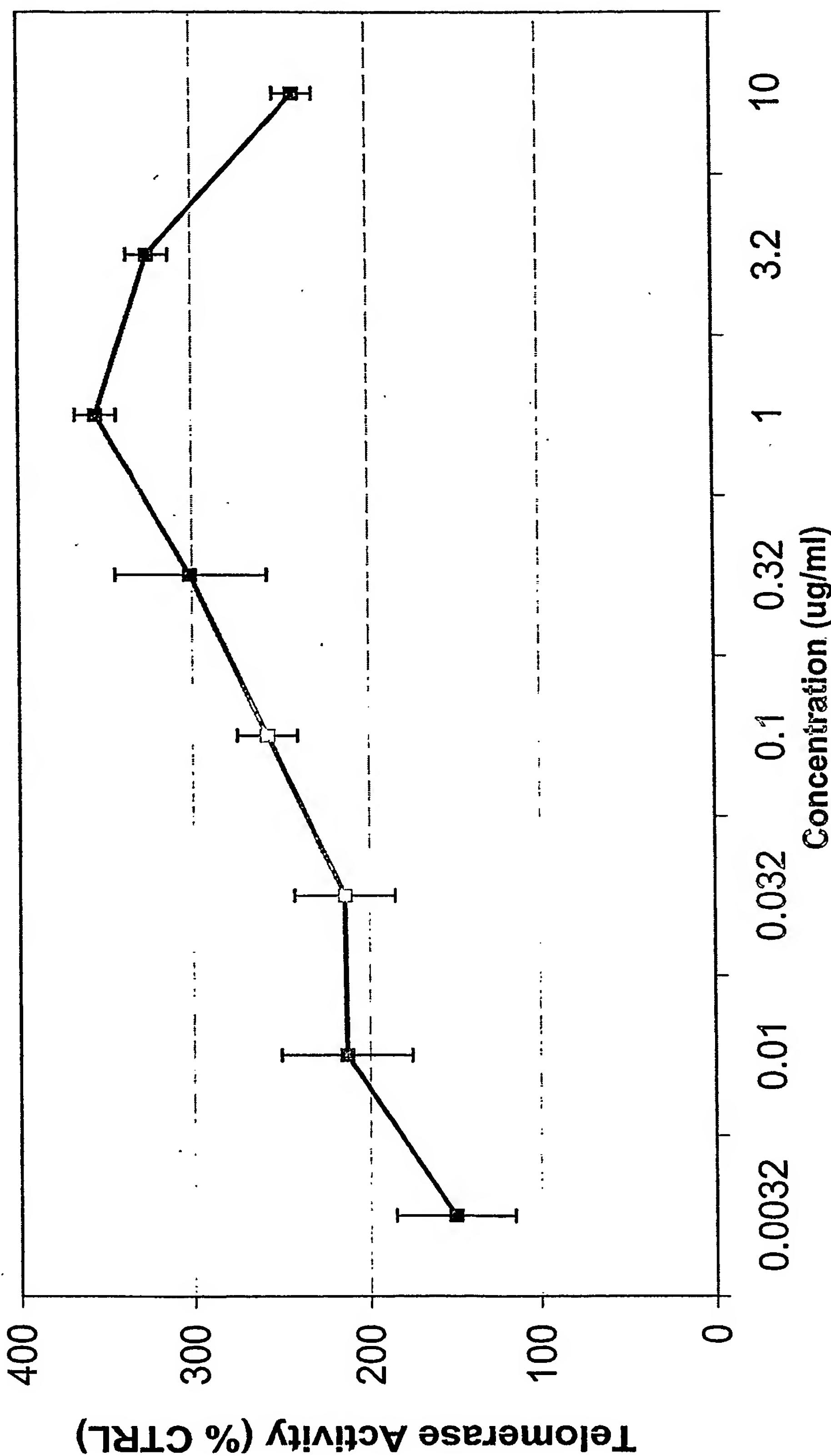
8 (Ginsenoside RH1)

Fig. 1H

Fig. 1 cont'd

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**Effect of 1 on Telomerase Activity in Human Keratinocytes  
(HEKn-P KCs PD3-6)**



**Fig. 2**

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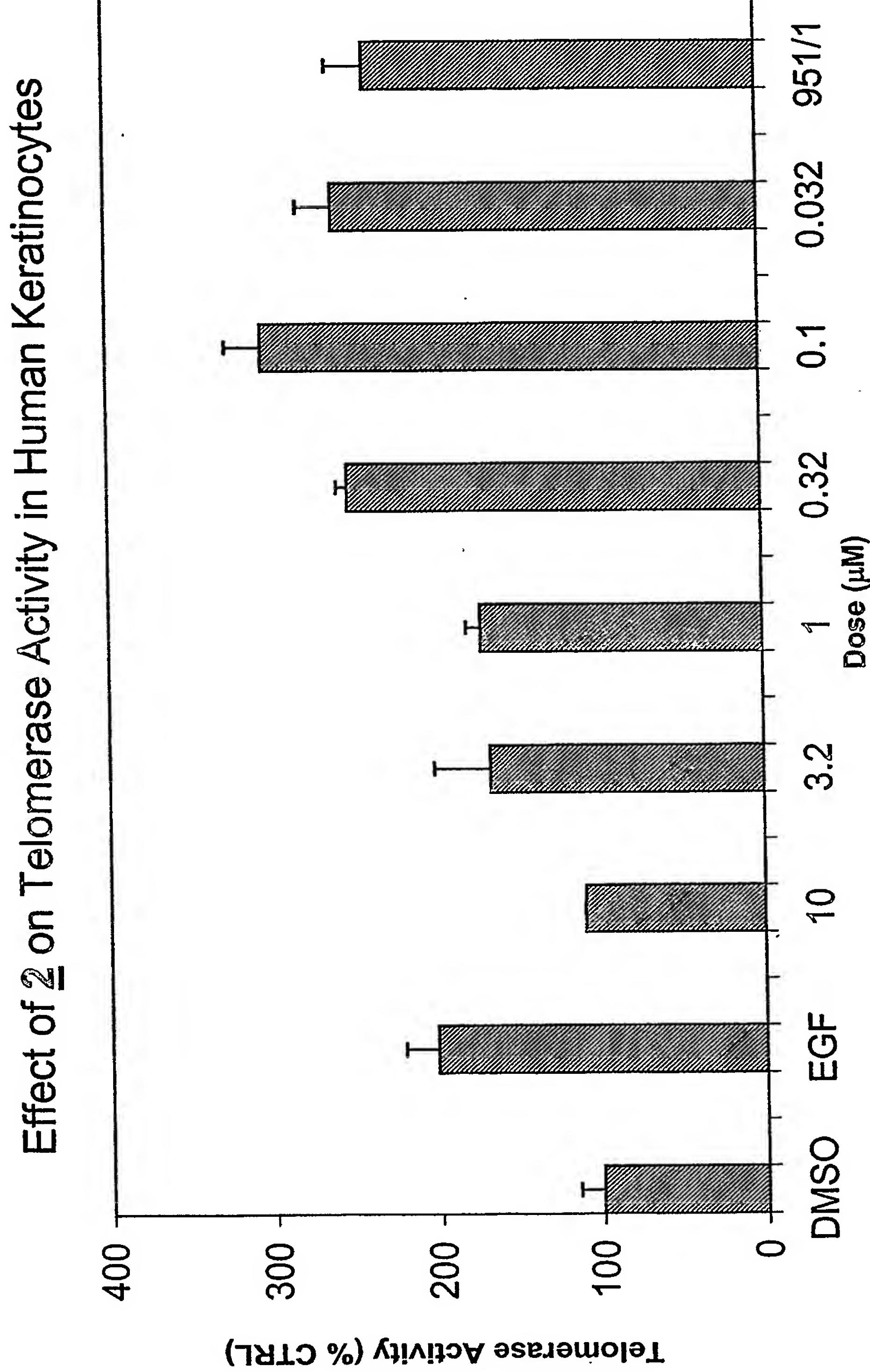
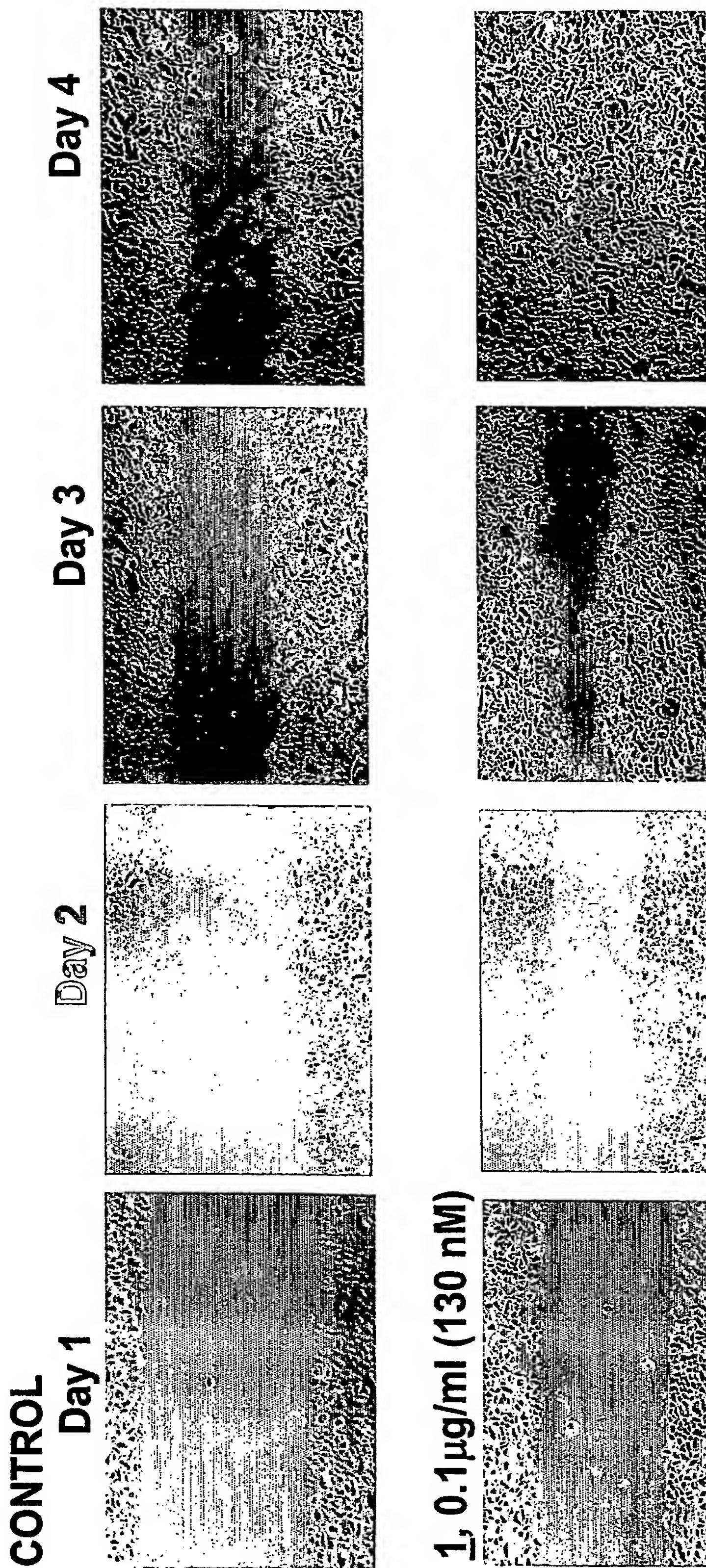


Fig. 3

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Acceleration of Wound Healing in Aging Adult Keratinocytes  
(HEK<sub>2</sub>18, PD32)

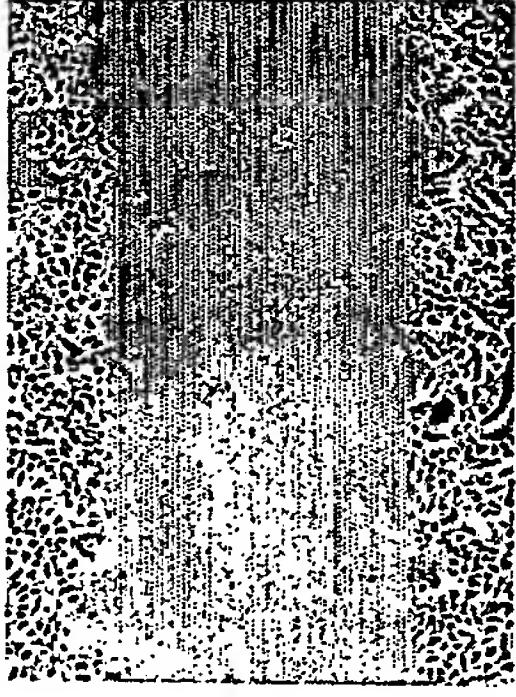


**Fig. 4**

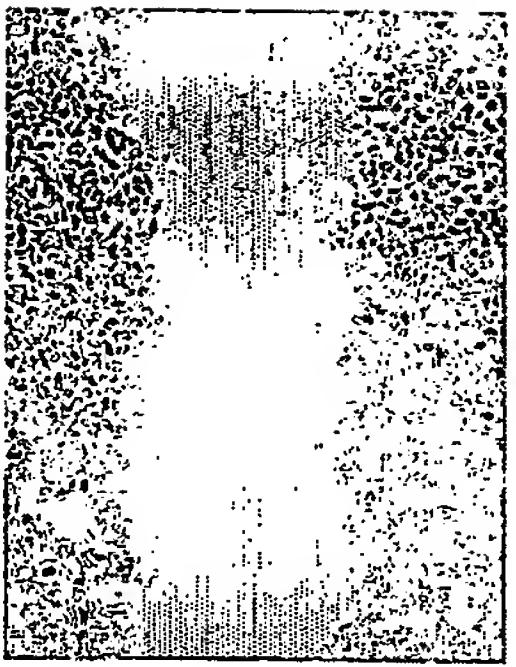
## Acceleration of Wound Healing in Young Keratinocytes (HEKn-P, PD14)

## CONTROL

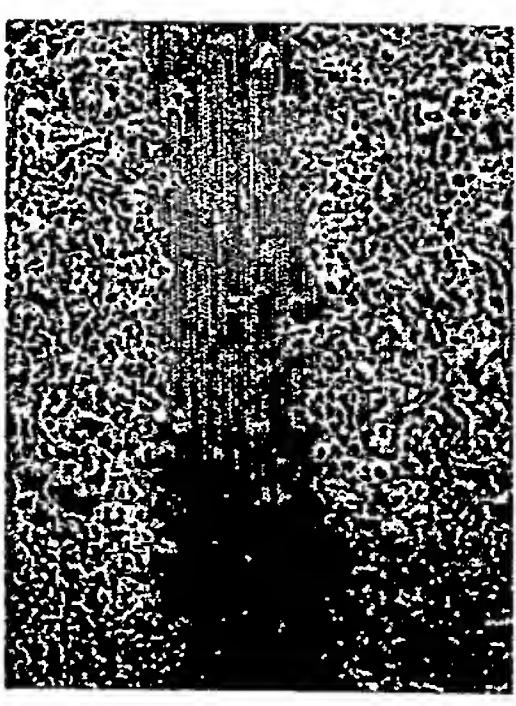
## Day 1



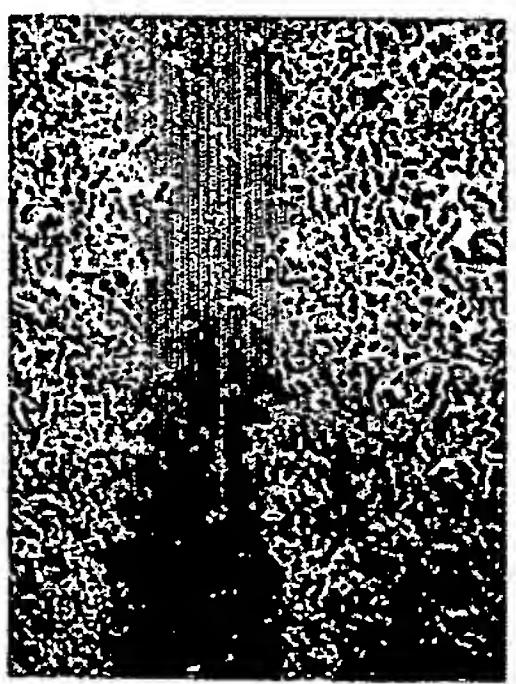
## Day 2



## Day 3

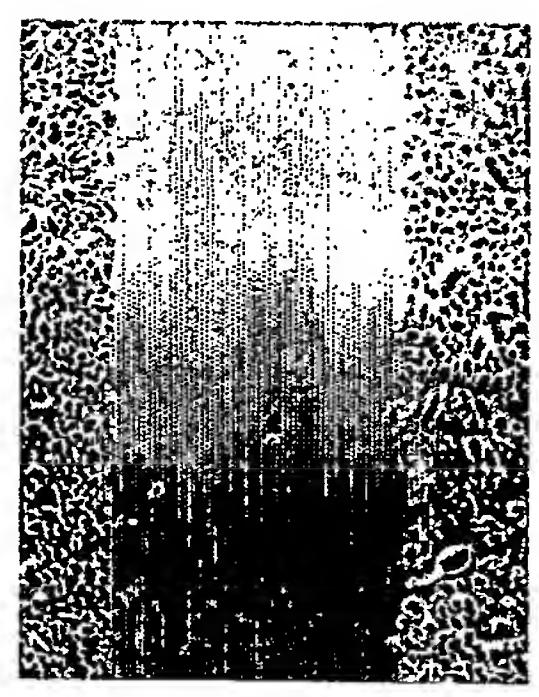


## Day 4



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## 1, 12.7 nM



## 2, 10 nM

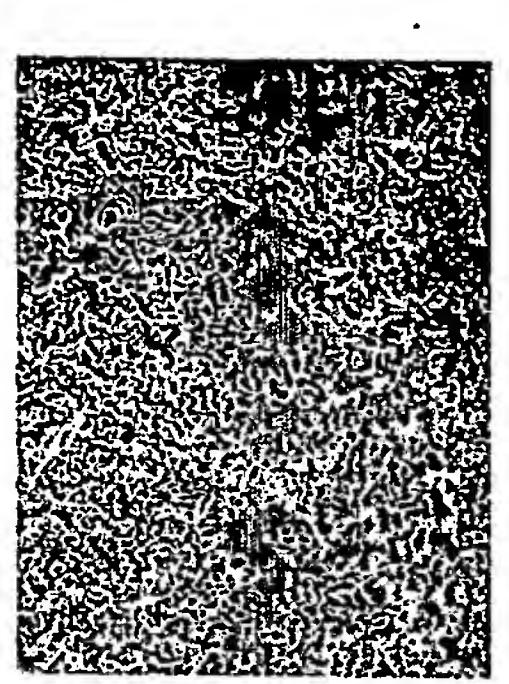
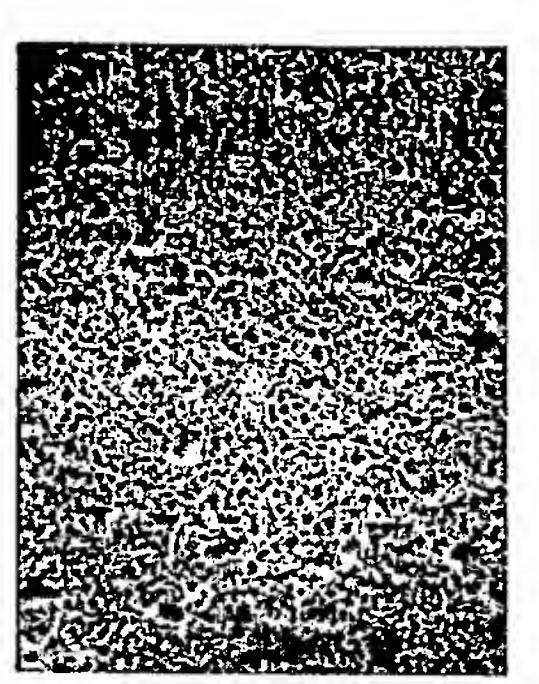
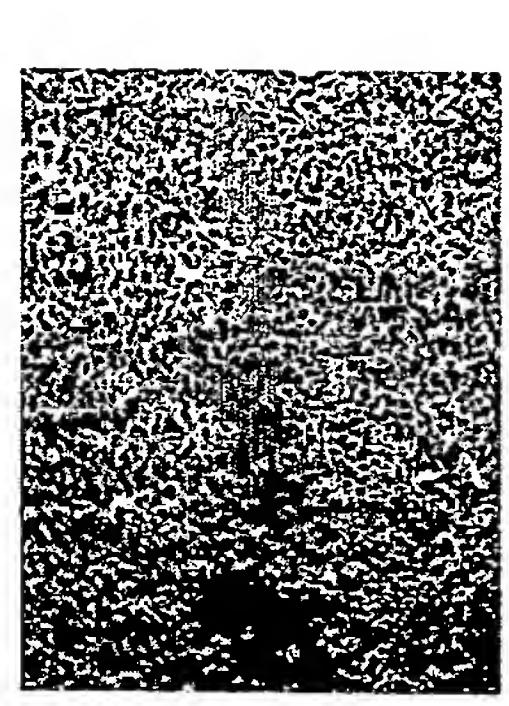
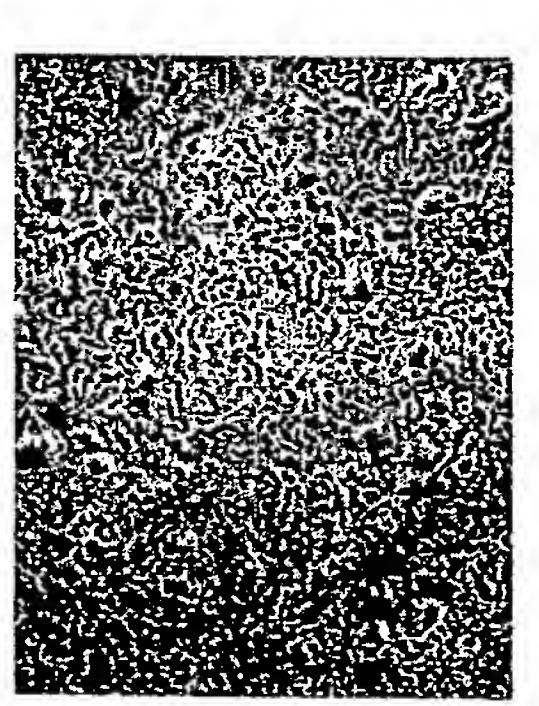
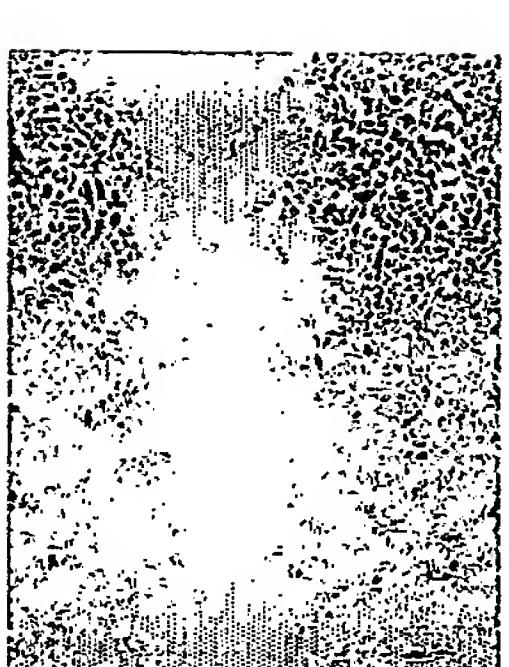
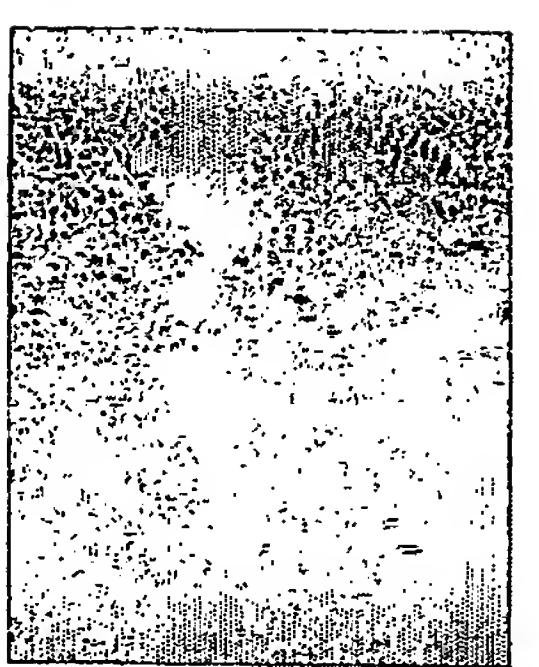
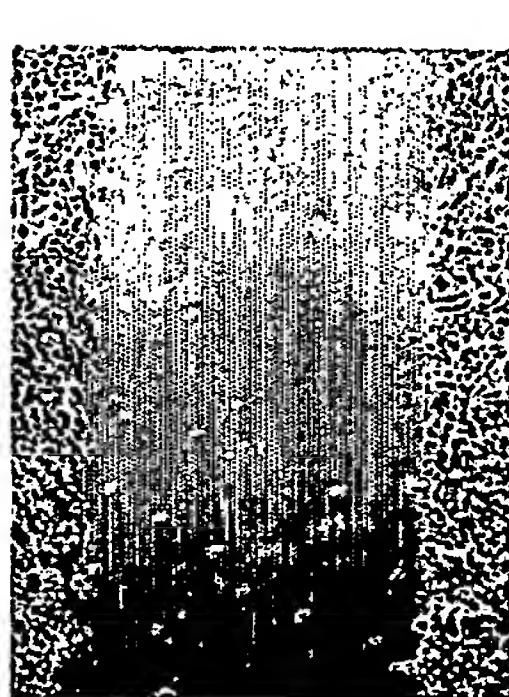
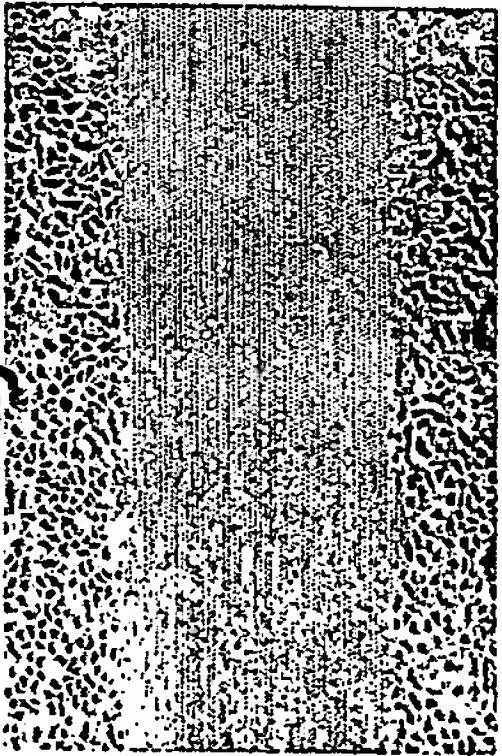


Fig. 5

**Acceleration of Wound Healing in Aging Keratinocytes**

**1, 1  $\mu$ g/ml (1.3  $\mu$ M)**

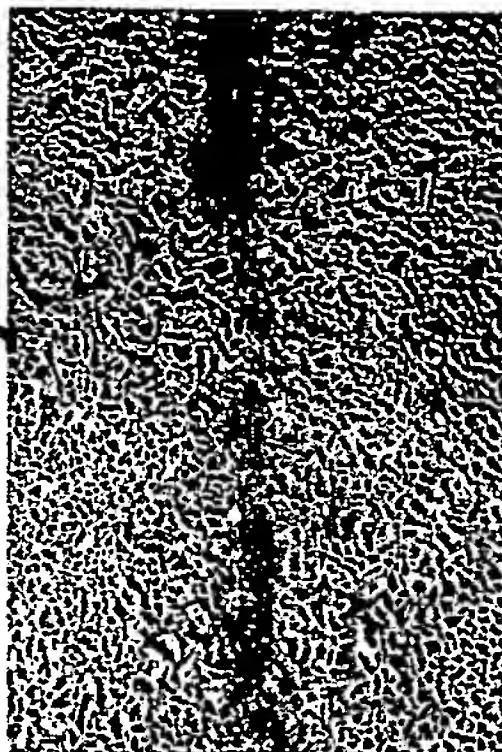
**Day 1**



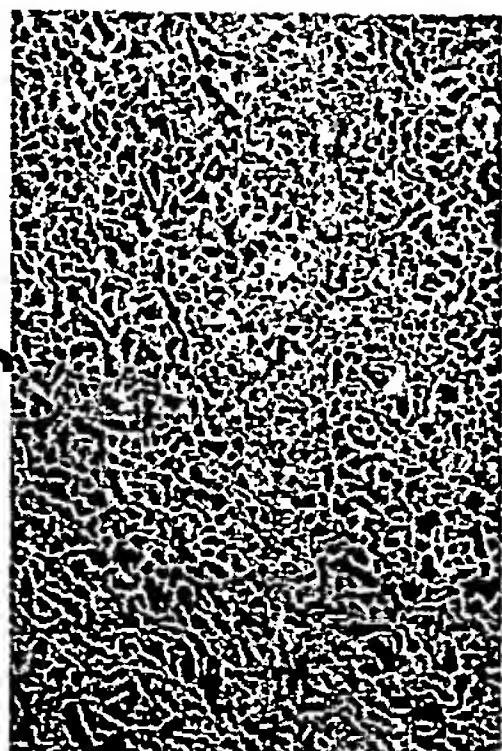
**Day 2**



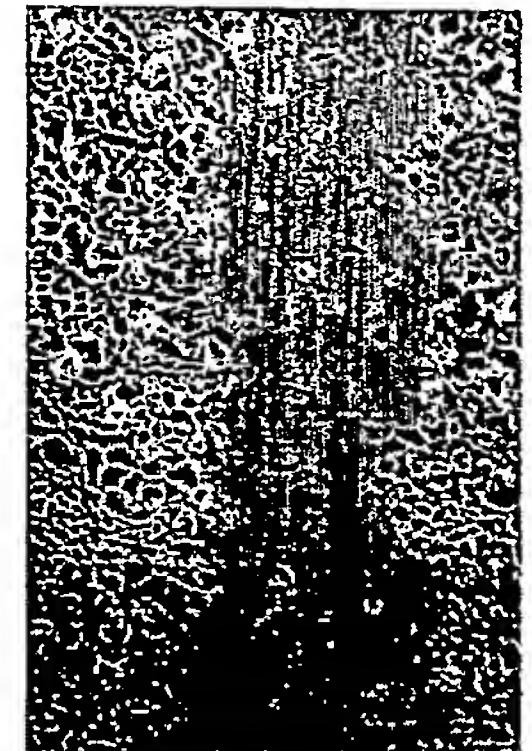
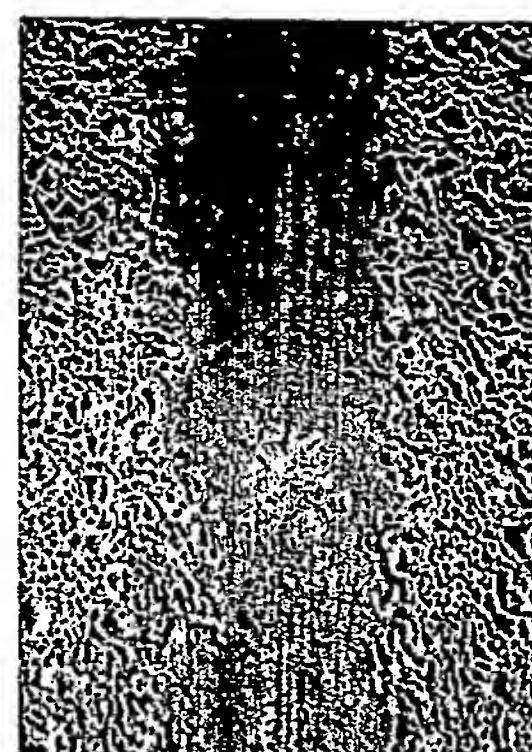
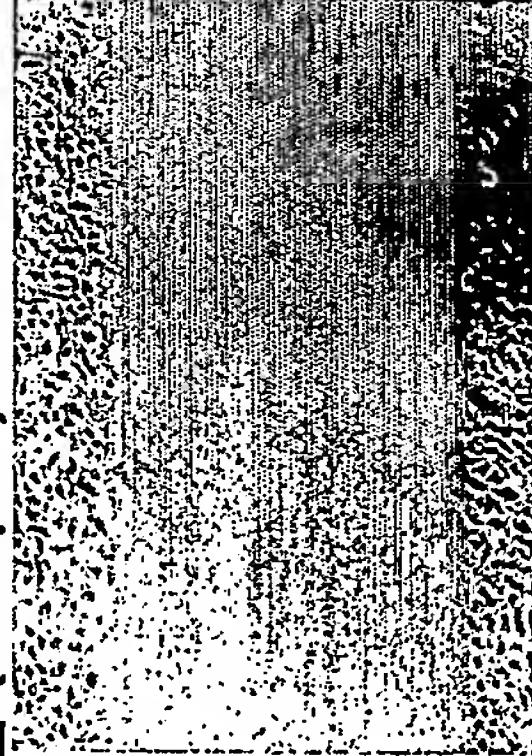
**Day 3**



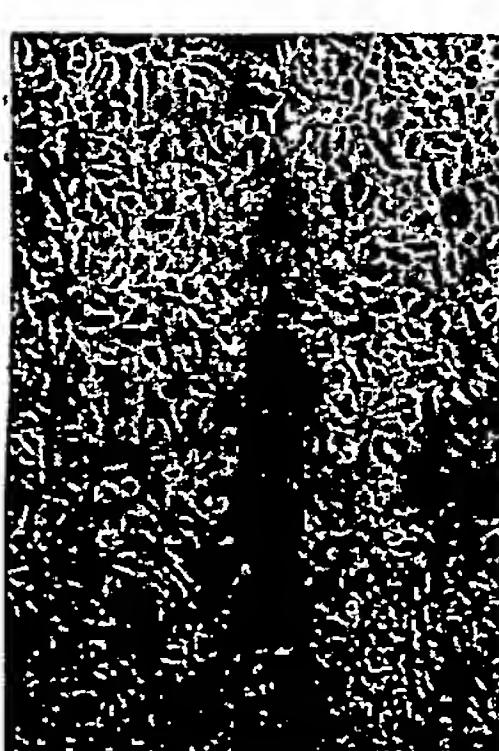
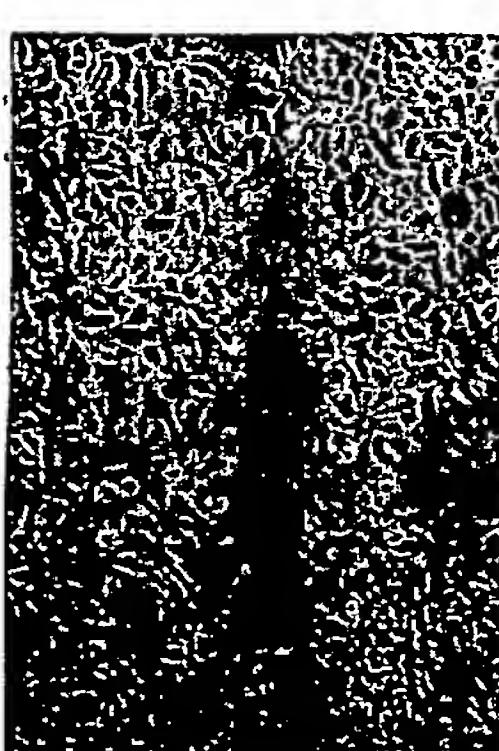
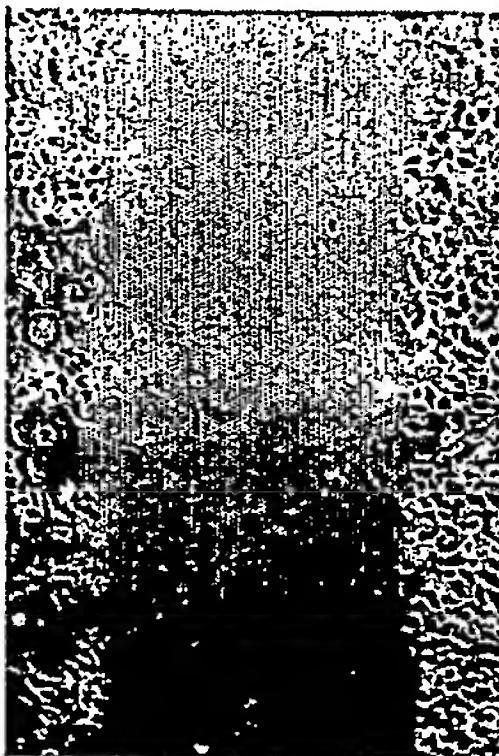
**Day 4**



**$\frac{1}{2}$  (1.3  $\mu$ M) + GRN137227 (10  $\mu$ M)**



**$\frac{1}{2}$  (1.3  $\mu$ M) + GRN137227 (10  $\mu$ M)**



**Fig. 6**

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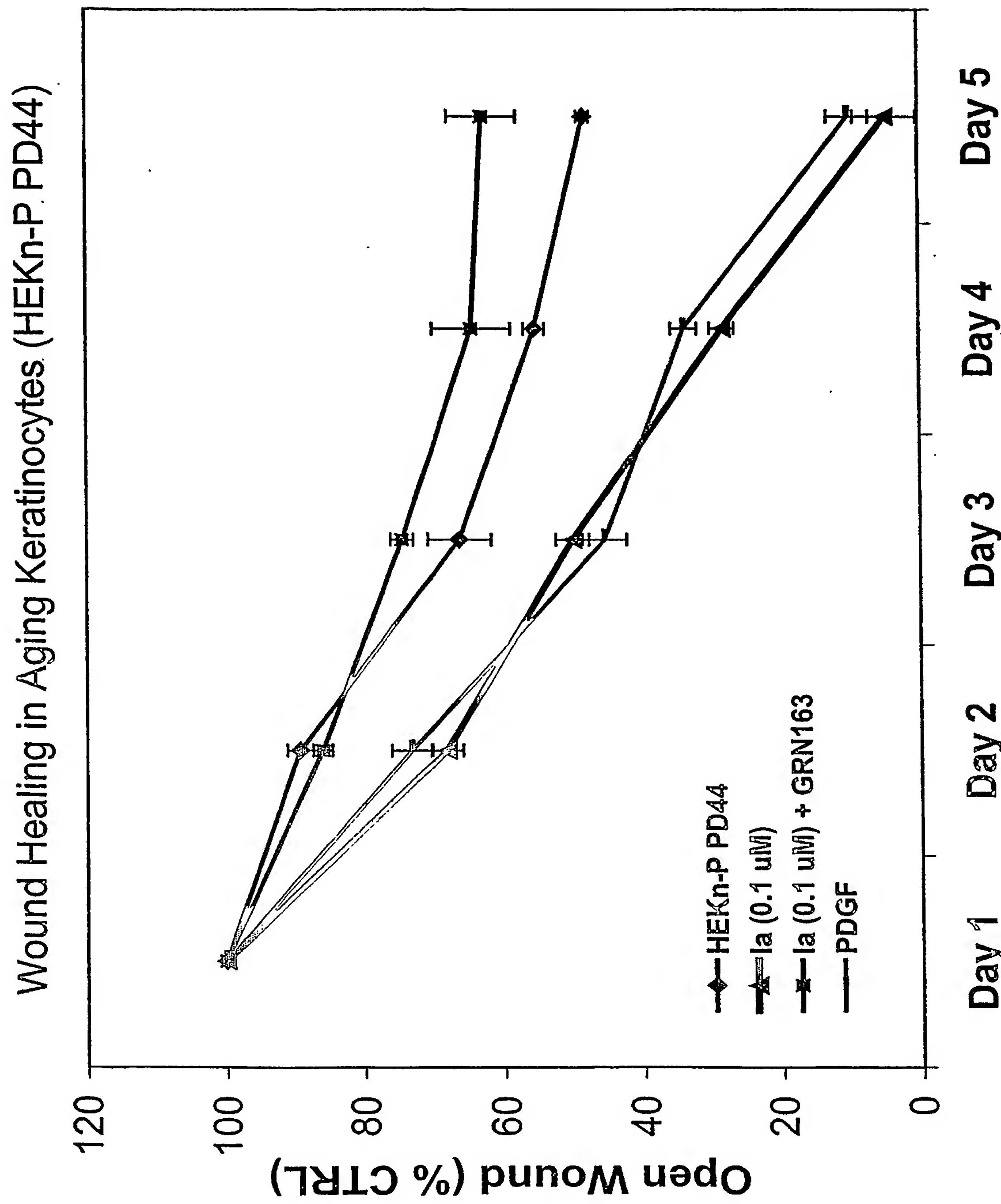


Fig. 7